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// Terms of Use:
// This script is provided as-is with no warranties. You are free to use, modify, and distribute this scri
// Any commercial use or redistribution requires explicit permission from the author.
//The intention of this indicator is for it to be used on a multichart window as a standalone indicator or
//IMPORTANT NOTE:
//-> The timeframe for this indicator must be set at 1 minute;
//-> If the chart timeframe is higher than 1 minute, the results shown in the table for timeframes lower t
//-> Tradingview's own documentation explains this as follows: "It is not recommended to request data of a
//-> It is therefore recommended that this indicator is placed in a standalone 1min chart window, and the
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//@version=5
indicator("Stochastic RSI & TTM Multi-timeframe v3.2 - Chapo Tendie", shorttitle="S.RSI.TTM.Multi-Timeframe")
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length = input.int(20, "TTM Squeeze Length")
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//////////////////////////////////USER INPUT SETTINGS//////////////////////////////////
smoothK = input.int(3, minval=1)
smoothD = input.int(3, minval=1)
lengthRSI = input.int(14, minval=1)
lengthStoch = input.int(14, minval=1)
uselog = input(true, title="Log")
srcIn = input(close, title="Source")
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////////// User input to toggle the Chart & ColorTable fill
showChartFill = input(true, title="Show Chart Fill")
showGraphFill = input(true, title="Show ColorTable Fill")
hm = input(false, title="Use Average of both K & D")
```

```
// colortable histogram display settings
tableYposInput = input.string("top", "Panel position", options = ["top", "middle", "bottom"])
tableXposInput = input.string("right", "", options = ["left", "center", "right"])
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TC          = input.color(color.new(color.white, 0), "Table Text Color")
TS          = input.string(size.small, "Table Text Size", options = [size.tiny, size.small, size.normal])
// Stochastic Data
src = uselog ? math.log(srcIn) : srcIn
rsi1 = ta.rsi(src, lengthRSI)
kk = ta.sma(ta.stoch(rsi1, rsi1, rsi1, lengthStoch), smoothK)
d = ta.sma(kk, smoothD)
k = hm ? math.avg(kk, d) : kk

// Chartfill PushData Sequence
// plot Stochastic Chart Lines if showChartFill = TRUE
c = plot(showChartFill ? k : na, color = color.new(color.white, 0), title="K&D")
a = plot(showChartFill ? kk : na, color = color.new(color.blue, 0), title="KK")
b = plot(showChartFill ? d : na, color = color.new(color.orange, 0), title="D")

f = kk >= d ? color.blue : color.orange

// plot horizontal lines if showChartFill = TRUE
max = hline(showChartFill ? 100 : na, title="Maximum Bound")
upper = hline(showChartFill ? 80 : na, title="Upper Band")
lower = hline(showChartFill ? 20 : na, title="Lower Band")
min = hline(showChartFill ? 0 : na, title="Minimum Bound")

// Fill background when data on chart

fill(max, upper, color=color.new(#ff0000, 75), title='Overbought Background') // Red background from 80 to 100
fill(upper, lower, color=color.new(color.aqua, 95), title='Background')
fill(lower, min, color=color.new(#00ac06, 75), title='Oversold Background') // Green background from 0 to 20

//BOLLINGER BANDS
BB_mult      = input.float(2.0, "Bollinger Band STD Multiplier")
BB_basis     = ta.sma(close, length)
dev          = BB_mult * ta.stdev(close, length)
BB_upper     = BB_basis + dev
BB_lower     = BB_basis - dev

//KELTNER CHANNELS
KC_mult_high  = input.float(1.0, "Keltner Channel #1")
KC_mult_mid   = input.float(1.5, "Keltner Channel #2")
KC_mult_low   = input.float(2.0, "Keltner Channel #3")
KC_basis     = ta.sma(close, length)
devKC        = ta.sma(ta.tr, length)
KC_upper_high = KC_basis + devKC * KC_mult_high

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KC_lower_high    = KC_basis - devKC * KC_mult_high
KC_upper_mid     = KC_basis + devKC * KC_mult_mid
KC_lower_mid     = KC_basis - devKC * KC_mult_mid
KC_upper_low     = KC_basis + devKC * KC_mult_low
KC_lower_low     = KC_basis - devKC * KC_mult_low

//SQUEEZE CONDITIONS
NoSqz           = BB_lower < KC_lower_low or BB_upper > KC_upper_low //NO SQUEEZE: GREEN
LowSqz          = BB_lower >= KC_lower_low or BB_upper <= KC_upper_low //LOW COMPRESSION: BLACK
MidSqz          = BB_lower >= KC_lower_mid or BB_upper <= KC_upper_mid //MID COMPRESSION: RED
HighSqz         = BB_lower >= KC_lower_high or BB_upper <= KC_upper_high //HIGH COMPRESSION: ORANGE

//MOMENTUM OSCILLATOR
mom             = ta.linreg(close - math.avg(math.avg(ta.highest(high, length), ta.lowest(low, length))), 1

//MOMENTUM HISTOGRAM COLOR
mom_up1_col     = input.color(color.new(color.aqua, 0), title = "+ive Rising Momentum", group = "Histogram (
mom_up2_col     = input.color(color.new(#2962ff, 0), title = "+ive Falling Momentum", group = "Histogram (
mom_down1_col   = input.color(color.new(color.red, 0), title = "-ive Rising Momentum", group = "Histogram
mom_down2_col   = input.color(color.new(color.yellow, 0), title = "-ive Falling Momentum", group = "Histo
//MOMENTUM HISTOGRAM CONDITIONS
iff_1           = mom > nz(mom[1]) ? mom_up1_col : mom_up2_col
iff_2           = mom < nz(mom[1]) ? mom_down1_col : mom_down2_col
mom_color       = mom > 0 ? iff_1 : iff_2

//SQUEEZE DOTS COLOR
NoSqz_Col       = input.color(color.new(color.black, 0), title = "No Squeeze", group = "Squeeze Dot Color"
LowSqz_Col      = input.color(color.new(color.green, 0), title = "Low Compression", group = "Squeeze Dot (
MidSqz_Col      = input.color(color.new(color.orange, 0), title = "Medium Compression", group = "Squeeze I
HighSqz_Col     = input.color(color.new(color.red, 0), title = "High Compression", group = "Squeeze Dot C
// SQUEEZE DOTS CONDITIONS
sq_color        = HighSqz ? HighSqz_Col : MidSqz ? MidSqz_Col : LowSqz ? LowSqz_Col : NoSqz_Col

//STOCHASTIC HISTOGRAM COLOR

stoHIGH_Col     = input.color(color.new(color.blue, 0), title = "High stoch", group = "Stoch Color")
stoLOW_Col      = input.color(color.new(color.purple, 0), title = "LOW stoch", group = "Stoch Color")
stoMAX_Col      = input.color(color.new(color.red, 0), title = "MAX stoch", group = "Stoch Color")
stoMIN_Col      = input.color(color.new(color.green, 0), title = "MIN stoch", group = "Stoch Color")
stoRANGE_Col    = input.color(color.new(color.gray, 0), title = "Ranging stoch", group = "Stoch Color")

// Stochastic trigger conditions
stoMAX          = k > 95
stoHIGH         = k >= 80 and k < 95
stoLOW          = k <= 20 and k > 5
stoMIN          = k < 5
stoRANGE        = k < 80 and k > 5
//DEFINE Stochastic sto_color CONDITONS
sto_color       = stoMAX ? stoMAX_Col : stoHIGH ? stoHIGH_Col : stoLOW ? stoLOW_Col : stoMIN ? stoMIN_Col : stoRANGE ? stoRANGE_Col : NoStoch_Col

//////////////////// COLORCHART HISTORGAM CALldata SEQUENCE ///////////////////
//MULTI TIMEFRAME HISTOGRAM COLOR data
[HC_1m]         = request.security(syminfo.tickerid, "1", [mom_color])
[HC_5m]         = request.security(syminfo.tickerid, "5", [mom_color])
[HC_10m]        = request.security(syminfo.tickerid, "10", [mom_color])
[HC_15m]        = request.security(syminfo.tickerid, "15", [mom_color])

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[HC_20m] = request.security(syminfo.tickerid, "20", [mom_color])
[HC_30m] = request.security(syminfo.tickerid, "30", [mom_color])
[HC_45m] = request.security(syminfo.tickerid, "45", [mom_color])
[HC_1H]  = request.security(syminfo.tickerid, "60", [mom_color])
[HC_4H]  = request.security(syminfo.tickerid, "240", [mom_color])
[HC_D]   = request.security(syminfo.tickerid, "D" , [mom_color])
[HC_W]   = request.security(syminfo.tickerid, "W" , [mom_color])
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//MULTI TIMEFRAME SQUEEZE COLOR data
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[SC_1m]   = request.security(syminfo.tickerid, "1", [sq_color])
[SC_5m]   = request.security(syminfo.tickerid, "5", [sq_color])
[SC_10m]  = request.security(syminfo.tickerid, "10", [sq_color])
[SC_15m]  = request.security(syminfo.tickerid, "15", [sq_color])
[SC_20m]  = request.security(syminfo.tickerid, "20", [sq_color])
[SC_30m]  = request.security(syminfo.tickerid, "30", [sq_color])
[SC_45m]  = request.security(syminfo.tickerid, "45", [sq_color])
[SC_1H]   = request.security(syminfo.tickerid, "60", [sq_color])
[SC_4H]   = request.security(syminfo.tickerid, "240", [sq_color])
[SC_D]    = request.security(syminfo.tickerid, "D" , [sq_color])
[SC_W]    = request.security(syminfo.tickerid, "W" , [sq_color])
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```
// MULTI TIMEFRAME STOCHASTIC RSI data
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[STO_2m]   = request.security(syminfo.tickerid, "2", [sto_color])
[STO_6m]   = request.security(syminfo.tickerid, "6", [sto_color])
[STO_9m]   = request.security(syminfo.tickerid, "9", [sto_color])
[STO_13m]  = request.security(syminfo.tickerid, "13", [sto_color])
[STO_18m]  = request.security(syminfo.tickerid, "18", [sto_color])
[STO_23m]  = request.security(syminfo.tickerid, "23", [sto_color])
[STO_26m]  = request.security(syminfo.tickerid, "26" , [sto_color])
[STO_31m]  = request.security(syminfo.tickerid, "31" , [sto_color])
[STO_35m]  = request.security(syminfo.tickerid, "35" , [sto_color])
[STO_40m]  = request.security(syminfo.tickerid, "35" , [sto_color])
[STO_47m]  = request.security(syminfo.tickerid, "40" , [sto_color])
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//////////////////////////////////// Create color table histogram////////////////////////////////////
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var table TTM = table.new(tableYposInput + "_" + tableXposInput, 12, 3, border_width = 1)
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//////////////////////////////////// Color table PushDataSequence////////////////////////////////////
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// Barstate.isconfirmed: Returns true if the script is calculating the last (closing) update of the current
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```
if (barstate.isconfirmed and showGraphFill) // Checks if Barstate.isconfirmed and showGraphFill = TRUE
    table.cell(TTM, 0, 0, "MOM", text_color = color.new(color.white, 0), bgcolor = color.new(color.gray, 0))
    table.cell(TTM, 1, 0, "1m", text_color = TC, bgcolor = HC_1m, text_size = TS)
    table.cell(TTM, 2, 0, "5m", text_color = TC, bgcolor = HC_5m, text_size = TS)
    table.cell(TTM, 3, 0, "10m", text_color = TC, bgcolor = HC_10m, text_size = TS)
    table.cell(TTM, 4, 0, "15m", text_color = TC, bgcolor = HC_15m, text_size = TS)
    table.cell(TTM, 5, 0, "20m", text_color = TC, bgcolor = HC_20m, text_size = TS)
    table.cell(TTM, 6, 0, "30m", text_color = TC, bgcolor = HC_30m, text_size = TS)
    table.cell(TTM, 7, 0, "45m", text_color = TC, bgcolor = HC_45m, text_size = TS)
    table.cell(TTM, 8, 0, "1H", text_color = TC, bgcolor = HC_1H, text_size = TS)
    table.cell(TTM, 9, 0, "4H", text_color = TC, bgcolor = HC_4H, text_size = TS)
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224 table.cell(TTM, 10, 0, "D", text_color = TC, bgcolor = HC_D, text_size = TS)
225 table.cell(TTM, 11, 0, "W", text_color = TC, bgcolor = HC_W, text_size = TS)
226
227
228 table.cell(TTM, 0, 1, "SQZ", text_color = color.new(color.white, 0), bgcolor = color.new(color.gray, 0),
229 table.cell(TTM, 1, 1, "1m", text_color = TC, bgcolor = SC_1m, text_size = TS)
230 table.cell(TTM, 2, 1, "5m", text_color = TC, bgcolor = SC_5m, text_size = TS)
231 table.cell(TTM, 3, 1, "10m", text_color = TC, bgcolor = SC_10m, text_size = TS)
232 table.cell(TTM, 4, 1, "15m", text_color = TC, bgcolor = SC_15m, text_size = TS)
233 table.cell(TTM, 5, 1, "20m", text_color = TC, bgcolor = SC_20m, text_size = TS)
234 table.cell(TTM, 6, 1, "30m", text_color = TC, bgcolor = SC_30m, text_size = TS)
235 table.cell(TTM, 7, 1, "45m", text_color = TC, bgcolor = SC_45m, text_size = TS)
236 table.cell(TTM, 8, 1, "1H", text_color = TC, bgcolor = SC_1H, text_size = TS)
237 table.cell(TTM, 9, 1, "4H", text_color = TC, bgcolor = SC_4H, text_size = TS)
238 table.cell(TTM, 10, 1, "D", text_color = TC, bgcolor = SC_D, text_size = TS)
239 table.cell(TTM, 11, 1, "W", text_color = TC, bgcolor = SC_W, text_size = TS)
240
241
242 table.cell(TTM, 0, 2, "STOC", text_color = color.new(color.white, 0), bgcolor = color.new(color.gray, 0),
243 table.cell(TTM, 1, 2, "2m", text_color = TC, bgcolor = ST0_2m, text_size = TS)
244 table.cell(TTM, 2, 2, "6m", text_color = TC, bgcolor = ST0_6m, text_size = TS)
245 table.cell(TTM, 3, 2, "9m", text_color = TC, bgcolor = ST0_9m, text_size = TS)
246 table.cell(TTM, 4, 2, "13m", text_color = TC, bgcolor = ST0_13m, text_size = TS)
247 table.cell(TTM, 5, 2, "18m", text_color = TC, bgcolor = ST0_18m, text_size = TS)
248 table.cell(TTM, 6, 2, "23m", text_color = TC, bgcolor = ST0_23m, text_size = TS)
249 table.cell(TTM, 7, 2, "26m", text_color = TC, bgcolor = ST0_26m, text_size = TS)
250 table.cell(TTM, 8, 2, "31m", text_color = TC, bgcolor = ST0_31m, text_size = TS)
251 table.cell(TTM, 9, 2, "35m", text_color = TC, bgcolor = ST0_35m, text_size = TS)
252 table.cell(TTM, 10, 2, "40m", text_color = TC, bgcolor = ST0_40m, text_size = TS)
253 table.cell(TTM, 11, 2, "47m", text_color = TC, bgcolor = ST0_47m, text_size = TS)
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